
Alcohol Use

DRANK IN PAST 30 DAYS

Definition: Respondents who report drinking alcohol in the past 30 days.

Prevalence of Drank in Past 30 Days

- South Dakota 56.3%
- Nationwide median 55.4%

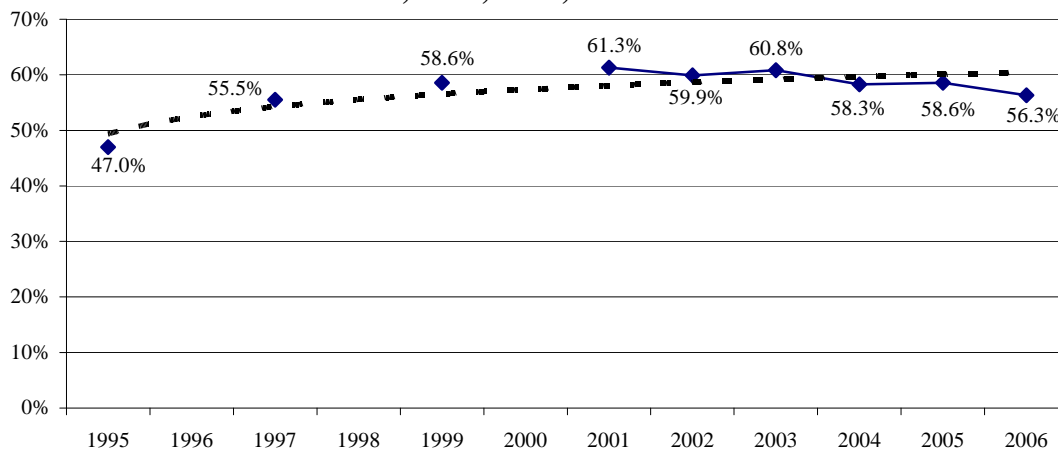
Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for drinking in the past 30 days.

Trend Analysis

Overall, since this question was first asked in 1995 the percent of respondents who drank in the past 30 days has been increasing. However, since 2003 the percent of respondents who drank in the past 30 days has been decreasing.

Figure 41
Percent of Respondents Who Drank in Past 30 Days,
1995, 1997, 1999, and 2001-2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1995, 1997, 1999, and 2001-2006

Demographics

- Gender** Males exhibit a significantly higher prevalence of drinking than females. This difference is demonstrated throughout almost every demographic category.
- Age** The prevalence of drinking alcohol generally decreases as age increases. This includes significant decreases as the 55-64, 65-74, and 75 and older age groups are attained.
- Race** Whites exhibit a significantly higher prevalence of drinking than American Indians.

Region	The American Indian Counties region exhibits a significantly lower prevalence of drinking than the other four regions.
Household Income	The prevalence of drinking generally increases as household income increases. This includes a significant increase as the \$75,000 or more income group is reached.
Education	Drinking alcohol increases as education increases. This includes a significant increase as the some post-high school education level is reached.
Employment Status	Those who are a homemaker, retired, or unable to work demonstrate a very low prevalence of drinking, while those who are employed for wages, self-employed, or unemployed show a very high prevalence.
Marital Status	Those who are widowed exhibit a significantly lower prevalence of drinking than the other three marital status groups.

Table 49									
Respondents Who Drank in Past 30 Days, 2006									
	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,622	56.3	(54.7-58.0)	2,586	63.9	(61.3-66.4)	4,036	49.0	(46.9-51.1)
Age									
18-24	263	57.9	(50.6-64.8)	112	59.7	(48.8-69.7)	151	55.8	(46.5-64.8)
25-34	737	66.1	(62.1-70.0)	283	77.8	(71.8-82.9)	454	53.8	(48.6-59.0)
35-44	1,037	64.7	(61.2-68.0)	419	69.5	(64.2-74.3)	618	59.9	(55.3-64.3)
45-54	1,404	61.6	(58.5-64.5)	588	64.4	(59.8-68.8)	816	58.7	(54.8-62.6)
55-64	1,163	53.6	(50.2-56.9)	497	62.2	(57.3-67.0)	666	44.3	(40.0-48.6)
65-74	942	43.9	(40.2-47.6)	362	51.4	(45.6-57.2)	580	37.4	(33.0-42.0)
75+	1,010	29.4	(26.2-32.9)	304	45.2	(39.0-51.7)	706	19.4	(16.2-23.1)
Race									
White	5,902	57.7	(55.9-59.4)	2,315	65.6	(63.0-68.1)	3,587	50.0	(47.8-52.2)
American Indian	516	37.3	(31.2-43.8)	188	44.6	(34.5-55.1)	328	29.9	(23.4-37.3)
Region									
Southeast	1,479	58.8	(55.6-61.8)	578	66.5	(61.7-71.0)	901	51.2	(47.1-55.2)
Northeast	1,607	56.1	(52.8-59.3)	606	64.8	(59.7-69.6)	1,001	48.2	(44.3-52.1)
Central	1,354	53.8	(50.5-57.1)	530	62.7	(57.4-67.7)	824	45.0	(41.1-49.0)
West	1,513	56.8	(53.6-59.9)	601	63.0	(57.9-67.7)	912	50.7	(46.7-54.7)
American Indian Counties	669	41.9	(36.3-47.7)	271	47.3	(38.1-56.8)	398	35.9	(29.9-42.3)
Household Income									
Less than \$10,000	312	34.2	(26.7-42.6)	*	*	*	*	*	*
\$10,000-\$14,999	390	42.4	(34.9-50.2)	110	39.4	(27.4-52.8)	280	44.0	(34.9-53.5)
\$15,000-\$19,999	506	47.5	(39.4-55.6)	162	66.5	(54.0-77.1)	344	31.2	(24.4-38.9)
\$20,000-\$24,999	560	46.6	(40.7-52.6)	205	54.3	(44.9-63.4)	355	39.9	(32.7-47.5)
\$25,000-\$34,999	896	56.3	(51.7-60.8)	384	66.6	(60.1-72.5)	512	45.1	(38.9-51.5)
\$35,000-\$49,999	1,130	58.7	(55.0-62.2)	490	63.8	(58.4-68.9)	640	53.1	(48.4-57.8)
\$50,000-\$74,999	1,027	63.1	(59.3-66.8)	482	66.4	(61.1-71.4)	545	59.0	(53.6-64.2)
\$75,000+	916	74.9	(71.2-78.2)	459	79.4	(74.5-83.6)	457	68.6	(63.1-73.7)
Education									
8th Grade or Less	284	37.8	(26.0-51.3)	124	46.2	(28.3-65.2)	160	27.1	(18.4-38.0)
Some High School	342	43.1	(35.3-51.4)	134	58.4	(47.0-68.9)	208	28.3	(19.4-39.3)
High School or G.E.D.	2,134	52.4	(49.4-55.4)	863	61.3	(56.7-65.6)	1,271	43.1	(39.3-47.0)
Some Post-High School	1,829	59.3	(56.1-62.4)	653	66.3	(60.9-71.4)	1,176	53.3	(49.5-57.0)
College Graduate	2,019	61.7	(59.1-64.4)	802	67.8	(63.7-71.6)	1,217	56.0	(52.5-59.4)
Employment Status									
Employed for Wages	3,219	62.6	(60.3-64.9)	1,218	67.7	(64.1-71.1)	2,001	57.6	(54.7-60.4)
Self-employed	907	65.8	(61.9-69.5)	594	69.5	(64.9-73.9)	313	55.8	(49.0-62.4)
Unemployed	181	51.4	(40.7-62.0)	*	*	*	*	*	*
Homemaker	401	42.8	(36.7-49.1)	*	*	*	*	*	*
Retired	1,549	37.9	(35.1-40.8)	553	50.4	(45.7-55.2)	996	28.0	(24.9-31.3)
Unable to Work	269	26.5	(18.3-36.6)	*	*	*	*	*	*

Table 49 (continued)									
Respondents Who Drank in Past 30 Days, 2006									
	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Marital Status									
Married/Unmarried Couple	3,943	59.4	(57.5-61.2)	1,691	65.0	(62.3-67.7)	2,252	53.6	(51.1-56.1)
Divorced/Separated	871	55.0	(50.8-59.2)	339	62.0	(55.0-68.5)	532	49.5	(44.2-54.9)
Widowed	1,028	27.5	(24.5-30.7)	154	46.4	(37.6-55.4)	874	23.6	(20.6-26.9)
Never Married	759	57.3	(51.5-62.9)	395	62.8	(54.9-70.1)	364	48.8	(40.8-57.0)

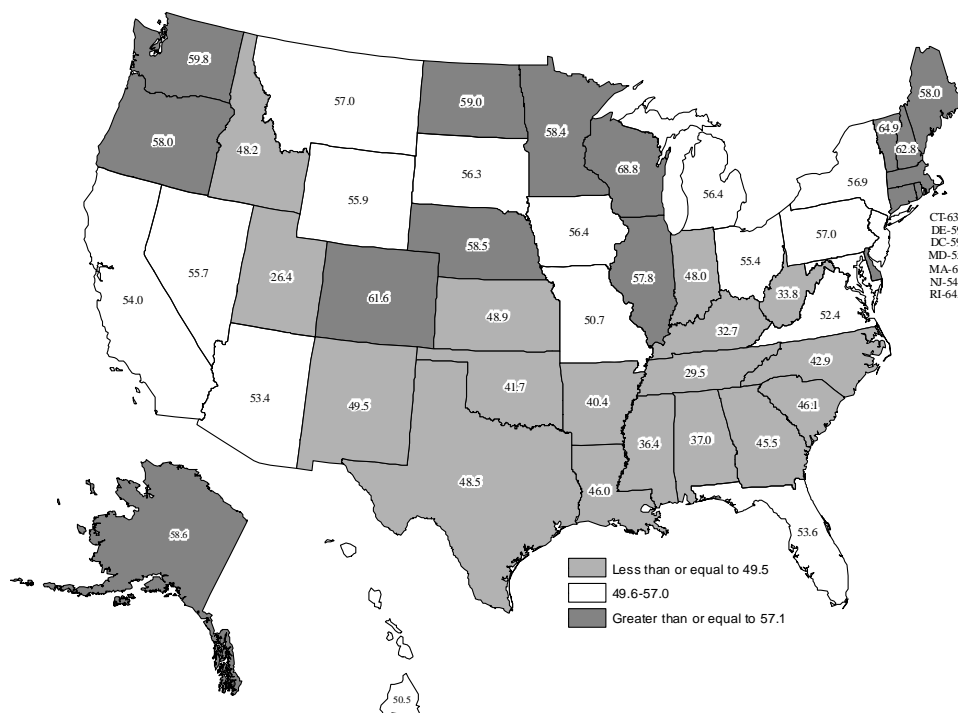
Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

National Statistics

The national median for respondents who drank in the past 30 days was 55.4 percent. South Dakota had 56.3 percent of respondents who drank in the past 30 days. Utah had the lowest percent of respondents who drank in the past 30 days with 26.4 percent, while Wisconsin had the highest percent of respondents who drank in the past 30 days with 68.8 percent.

Figure 42
Nationally, Respondents Who Drank in Past 30 Days, 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

Further Analysis

Following are data illustrating the percent of those who drank in the past 30 days for various health behaviors and conditions. For example, 73.2 percent of respondents who stated they use smokeless tobacco drank in the past 30 days, while 55.3 percent of respondents who stated they do not use smokeless tobacco drank in the past 30 days.

Table 50
Drank in Past 30 Days for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Drank in Past 30 Days	95% CI
Obese (BMI = 30.0+)	1,675	51.0	47.9-54.2
Overweight (BMI = 25.0-29.9)	2,427	59.2	56.4-61.8
Recommended Weight (BMI = 18.5-24.9)	2,088	59.3	56.2-62.2
No Leisure Time Physical Activity	1,741	48.6	45.0-52.1
Leisure Time Physical Activity	4,875	58.8	56.9-60.6
Not Heard of "Healthy South Dakota" Program	3,890	56.0	53.8-58.1
Heard of "Healthy South Dakota" Program	2,413	56.6	54.0-59.2
Current Smoker	1,249	64.8	60.9-68.5
Former Smoker	1,822	57.9	55.0-60.8
Never Smoked	3,536	52.5	50.2-54.8
Smokeless Tobacco Use	301	73.2	66.1-79.3
No Smokeless Tobacco Use	6,121	55.3	53.5-57.0
Diabetes	596	30.3	26.0-34.9
No Diabetes	6,024	58.1	56.4-59.9
Current Asthma	487	51.9	45.7-58.0
Former Asthma	174	48.0	37.7-58.4
Never Had Asthma	5,927	57.1	55.4-58.8
No Mammogram within Past Two Years (40+)	779	39.5	35.4-43.7
Mammogram within Past Two Years (40+)	2,260	47.7	45.2-50.1
No Clinical Breast Exam within Past Two Years	865	37.8	33.3-42.5
Clinical Breast Exam within Past Two Years	3,081	52.2	49.8-54.5
No Pap Smear within the Past Three Years	509	31.7	26.2-37.8
Pap Smear within the Past Three Years	2,382	54.8	52.1-57.4
No PSA Test within the Past Two Years (40+)	798	60.8	56.7-64.7
PSA Test within the Past Two Years (40+)	1,060	59.3	55.9-62.7
No Digital Rectal Exam within the Past Two Years (40+)	844	57.7	53.8-61.6
Digital Rectal Exam within the Past Two Years (40+)	1,076	62.0	58.5-65.3
Prostate Cancer (40+)	101	53.2	42.2-63.8
No Prostate Cancer (40+)	1,839	60.4	57.7-62.9
No Blood Stool Test within the Past Two Years (50+)	2,806	47.6	45.4-49.8
Blood Stool Test within the Past Two Years (50+)	867	47.3	43.4-51.2
Never Had a Sigmoidoscopy or Colonoscopy (50+)	1,643	47.3	44.4-50.2
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	2,072	47.3	44.8-49.8
Diagnosed with Cancer in the Past 12 Months	154	50.1	40.8-59.3
Not Diagnosed with Cancer in the Past 12 Months	6,224	56.5	54.8-58.1
No Health Insurance (18-64)	404	56.0	48.5-63.3
Health Insurance (18-64)	4,033	61.8	59.8-63.8
Employer Based Health Insurance Coverage (18-64)	2,711	65.1	62.7-67.3
Private Health Insurance Plan (18-64)	570	64.8	59.4-69.9
Medicare (18-64)	126	35.4	24.2-48.4
Medicaid or Medical Assistance (18-64)	169	43.8	32.5-55.7
The Military, CHAMPUS, TriCare, or the VA (18-64)	175	46.4	37.7-55.3
The Indian Health Service (18-64)	226	40.3	31.4-49.9
No Flu Shot (65+)	520	35.5	30.8-40.4
Flu Shot (65+)	1,426	36.6	33.8-39.6
No Pneumonia Shot (65+)	646	39.1	34.8-43.6
Pneumonia Shot (65+)	1,239	34.8	31.7-38.0
Haven't Been to the Dentist in the Past Year	2,123	53.5	50.4-56.4
Been to the Dentist in the Past Year	4,474	57.8	55.8-59.8

Table 50 (continued)
Drank in Past 30 Days for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Drank in Past 30 Days	95% CI
Not Taking any Precautions Against West Nile Virus	2,745	57.4	54.8-60.0
Taking Precautions Against West Nile Virus	3,632	55.4	53.3-57.6
Sometimes/Seldom/Never Wear Seat Belt	1,153	63.1	59.3-66.8
Always/Almost Always Wear Seat Belt	5,371	54.6	52.8-56.4
Previously Had a Heart Attack	454	39.0	33.6-44.6
Never Had a Heart Attack	6,144	57.3	55.6-59.0
Have Angina or Coronary Heart Disease	388	41.7	35.9-47.7
Do Not have Angina or Coronary Heart Disease	6,180	57.2	55.5-58.9
Previously Had a Stroke	246	31.2	23.7-39.9
Never Had a Stroke	6,370	57.0	55.3-58.6
Fair or Poor Health Status	995	36.9	32.8-41.2
Excellent, Very Good, or Good Health Status	5,604	58.9	57.1-60.7
Physical Health Not Good for 30 Days of the Past 30	425	35.3	28.7-42.5
Physical Health Not Good for 0-29 Days of the Past 30	6,075	57.7	56.0-59.4
Mental Health Not Good for 20-30 Days of the Past 30	353	47.3	40.1-54.5
Mental Health Not Good for 0-19 Days of the Past 30	6,174	56.9	55.2-58.6
Usual Activities Unattainable for 10-30 Days of the Past 30	450	38.7	32.1-45.8
Usual Activities Unattainable for 0-9 Days of the Past 30	6,111	57.6	55.9-59.3
Dissatisfied / Very Dissatisfied with Life	235	43.6	35.5-52.0
Satisfied / Very Satisfied with Life	6,195	56.7	55.0-58.4
Physical, Mental, or Emotional Disability	1,520	43.9	40.6-47.3
No Physical, Mental, or Emotional Disability	5,081	59.3	57.4-61.2
Disability with Special Equipment Needed	533	29.8	25.1-35.1
No Disability with Special Equipment Needed	6,086	58.0	56.3-59.7
Injured in a Fall (45+)	234	40.6	33.2-48.6
Not Injured in a Fall (45+)	4,265	50.7	48.9-52.4
Never Been Tested for HIV (18-64)	3,546	61.4	59.2-63.6
Been Tested for HIV (18-64)	899	60.6	56.4-64.7
Military Veteran	1,001	59.4	55.6-63.1
Not a Military Veteran	5,616	55.8	54.0-57.6

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

BINGE DRINKING

Definition: Respondents who report having five or more alcoholic drinks on one occasion, one or more times in the past month.

Prevalence of Binge Drinking

- South Dakota 18.1%
- Nationwide median 15.4%

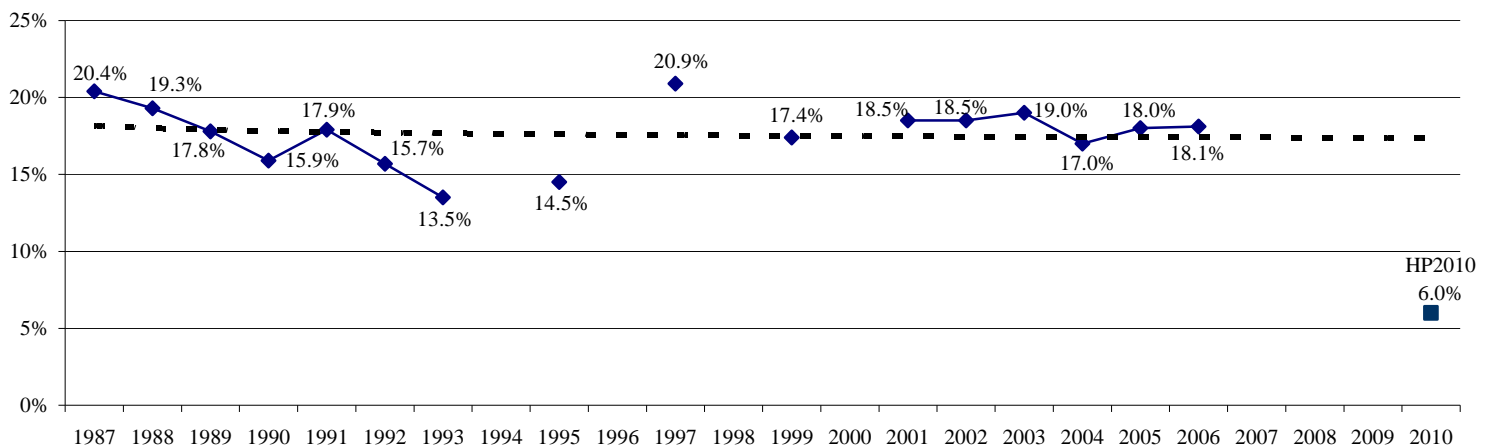
Healthy People 2010 Objective

Reduce the proportion of adults engaging in binge drinking to 6 percent.

Trend Analysis

From 1987 to 1993, the percent of respondents who engaged in binge drinking was on a decline. In recent years, the percent of respondents who engage in binge drinking has been increasing. South Dakota has yet to meet the *Healthy People 2010 Objective* of 6 percent.

Figure 43
Percent of Respondents Who Engage in Binge Drinking,
1987-1993, 1995, 1997, 1999, and 2001-2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1987-1993, 1995, 1997, 1999, and 2001-2006

Demographics

Gender	Males demonstrate a significantly higher prevalence of binge drinking than females. This difference is demonstrated throughout almost every demographic category between the two.
Age	The prevalence of binge drinking decreases as age increases with the first significant decrease occurring with the 35-44 age group.
Race	There was no significant racial difference observed from the available data.
Region	Overall, there were no significant regional differences observed from the available data. However, females in the American Indian counties region exhibit a very high prevalence of binge drinking, while females in the central region show a very low prevalence.

Household Income	The prevalence of binge drinking does not seem to follow a pattern as household income increases.
Education	Those with higher education levels exhibit a higher prevalence of binge drinking than those with lower education levels.
Employment Status	Those who are homemakers or retired demonstrate a very low prevalence of binge drinking, while those who are employed for wages, self-employed, unemployed, or unable to work show a very high prevalence.
Marital Status	Those who have never been married exhibit a very high prevalence of binge drinking, while those who are widowed show a very low prevalence.

Table 51
Respondents Who Engage in Binge Drinking, 2006

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,466	18.1	(16.7-19.7)	2,496	24.0	(21.6-26.5)	3,970	12.5	(10.9-14.4)
Age									
18-24	254	33.7	(27.1-41.0)	106	36.5	(26.7-47.6)	148	30.7	(22.3-40.5)
25-34	723	30.6	(26.6-34.9)	272	42.7	(36.0-49.7)	451	18.3	(14.7-22.4)
35-44	1,014	20.2	(17.5-23.2)	403	25.3	(20.9-30.2)	611	15.0	(12.1-18.6)
45-54	1,369	15.9	(13.8-18.3)	569	21.1	(17.5-25.3)	800	10.8	(8.7-13.3)
55-64	1,126	8.8	(7.0-11.0)	475	13.3	(10.2-17.1)	651	4.1	(2.7-6.0)
65-74	922	4.6	(3.2-6.6)	356	6.9	(4.4-10.6)	566	2.7	(1.5-4.8)
75+	997	0.6	(0.2-1.4)	297	1.1	(0.4-3.1)	700	0.3	(0.1-1.2)
Race									
White	5,766	17.7	(16.2-19.3)	2,238	24.0	(21.5-26.6)	3,528	11.7	(10.1-13.6)
American Indian	501	22.7	(17.6-28.9)	179	28.1	(19.4-38.9)	322	17.6	(12.6-24.1)
Region									
Southeast	1,442	18.5	(15.7-21.7)	559	24.3	(19.9-29.4)	883	12.8	(9.6-16.9)
Northeast	1,568	19.5	(16.8-22.6)	585	27.9	(23.2-33.2)	983	12.1	(9.3-15.5)
Central	1,326	16.4	(13.7-19.4)	515	23.2	(18.6-28.5)	811	9.7	(7.6-12.5)
West	1,479	16.3	(13.8-19.0)	578	19.8	(15.8-24.5)	901	12.9	(10.2-16.1)
American Indian Counties	651	21.4	(16.9-26.8)	259	24.9	(17.6-34.1)	392	17.7	(13.0-23.6)
Household Income									
Less than \$10,000	302	13.9	(9.1-20.8)	*	*	*	*	*	*
\$10,000-\$14,999	385	20.7	(13.5-30.2)	110	17.8	(8.4-33.9)	275	22.2	(13.2-34.7)
\$15,000-\$19,999	492	21.0	(14.6-29.4)	153	30.5	(18.3-46.1)	339	13.3	(8.1-21.1)
\$20,000-\$24,999	553	18.4	(13.3-24.9)	200	23.1	(15.3-33.4)	353	14.3	(8.5-23.2)
\$25,000-\$34,999	869	20.1	(15.8-25.1)	364	28.4	(21.9-35.9)	505	11.4	(6.7-18.7)
\$35,000-\$49,999	1,105	17.8	(14.9-21.2)	476	23.6	(19.0-28.9)	629	11.6	(8.4-15.9)
\$50,000-\$74,999	1,014	20.1	(17.0-23.7)	472	23.4	(18.7-28.9)	542	16.1	(12.5-20.6)
\$75,000+	902	18.8	(15.7-22.3)	448	24.5	(19.9-29.9)	454	11.1	(8.1-15.0)
Education									
8th Grade or Less	278	4.4	(2.0-9.2)	121	2.1	(0.6-6.5)	157	7.2	(2.9-17.1)
Some High School	323	16.6	(10.7-25.0)	121	25.0	(15.1-38.4)	202	9.4	(3.9-21.0)
High School or G.E.D.	2,085	20.4	(17.6-23.5)	832	27.2	(22.9-32.0)	1,253	13.3	(10.1-17.3)
Some Post-High School	1,778	19.1	(16.4-22.1)	627	25.2	(20.6-30.6)	1,151	13.9	(11.0-17.3)
College Graduate	1,989	16.7	(14.5-19.2)	786	22.0	(18.4-26.1)	1,203	11.6	(9.2-14.5)
Employment Status									
Employed for Wages	3,140	21.9	(19.8-24.1)	1,173	28.0	(24.7-31.6)	1,967	15.9	(13.5-18.6)
Self-employed	881	19.4	(15.9-23.5)	573	22.4	(17.9-27.7)	308	11.5	(7.8-16.6)
Unemployed	174	27.2	(18.2-38.6)	*	*	*	*	*	*
Homemaker	397	6.1	(3.5-10.4)	*	*	*	*	*	*
Retired	1,515	3.1	(2.3-4.4)	538	5.2	(3.5-7.7)	977	1.5	(0.9-2.7)
Unable to Work	264	15.2	(8.0-26.9)	*	*	*	*	*	*

Table 51 (continued)								
Respondents Who Engage in Binge Drinking, 2006								
	Total			Male			Female	
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%
Marital Status								
Married/Unmarried Couple	3,860	16.3	(14.8-18.1)	1,644	21.2	(18.7-23.9)	2,216	11.5
Divorced/Separated	849	19.7	(16.3-23.6)	324	25.5	(19.8-32.2)	525	15.2
Widowed	1,005	3.1	(2.0-4.8)	147	7.5	(3.5-15.4)	858	2.2
Never Married	731	31.0	(25.9-36.7)	374	34.9	(27.8-42.7)	357	25.3

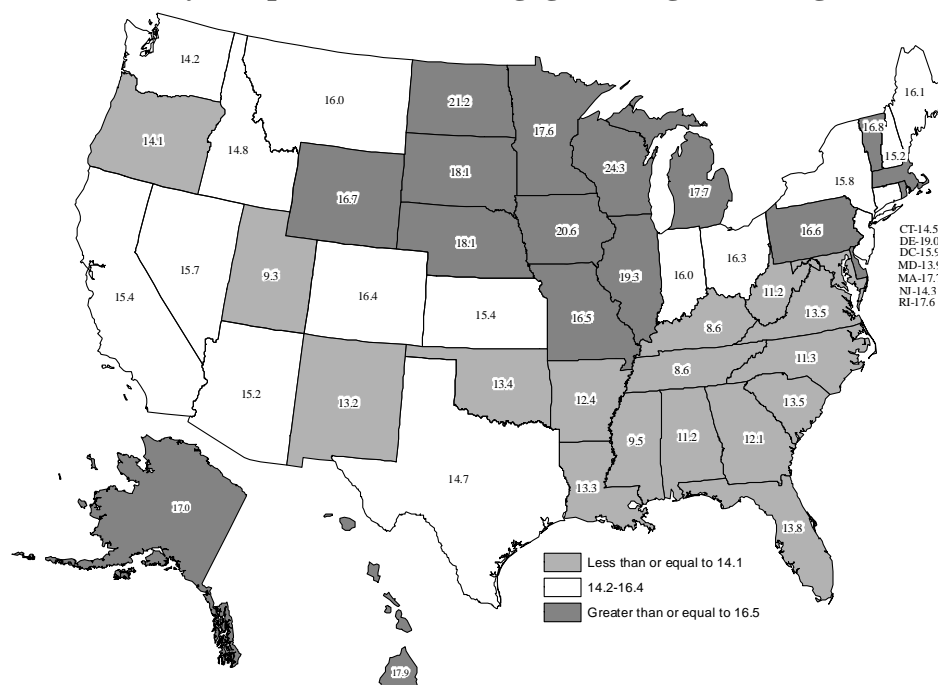
Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

National Statistics

The national median for respondents who binge drink is 15.4 percent. South Dakota had 18.1 percent of respondents who binge drink. Kentucky had the lowest percent of respondents who binge drink with 8.6 percent, while Wisconsin had the highest percent of respondents who binge drink with 24.3 percent.

Figure 44
Nationally, Respondents Who Engage in Binge Drinking, 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

Further Analysis

Following are data illustrating the percent of those who engage in binge drinking for various health behaviors and conditions. For example, 33.8 percent of respondents who stated they currently smoke binge drink, while 13.3 percent of respondents who stated they never smoked binge drink.

Table 52
Binge Drinking for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Binge Drinkers	95% CI
Obese (BMI = 30.0+)	1,660	16.2	13.9-18.7
Overweight (BMI = 25.0-29.9)	2,354	20.6	18.2-23.1
Recommended Weight (BMI = 18.5-24.9)	2,034	18.1	15.3-21.3
No Leisure Time Physical Activity	1,683	17.6	14.6-21.0
Leisure Time Physical Activity	4,778	18.3	16.7-20.1
Not Heard of "Healthy South Dakota" Program	3,801	19.1	17.2-21.2
Heard of "Healthy South Dakota" Program	2,377	16.4	14.2-19.0
Current Smoker	1,201	33.8	29.6-38.1
Former Smoker	1,781	16.4	14.0-19.0
Never Smoked	3,471	13.3	11.5-15.2
Smokeless Tobacco Use	287	43.1	35.5-51.1
No Smokeless Tobacco Use	6,004	16.8	15.3-18.3
Diabetes	593	6.0	4.1-8.7
No Diabetes	5,871	19.0	17.5-20.6
Current Asthma	480	18.6	13.4-25.1
Former Asthma	169	19.0	12.5-27.8
Never Had Asthma	5,786	18.1	16.6-19.8
No Mammogram within Past Two Years (40+)	762	8.7	6.6-11.4
Mammogram within Past Two Years (40+)	2,227	6.0	4.9-7.3
No Clinical Breast Exam within Past Two Years	852	11.2	8.4-14.7
Clinical Breast Exam within Past Two Years	3,035	13.1	11.2-15.3
No Pap Smear within the Past Three Years	503	11.6	8.0-16.5
Pap Smear within the Past Three Years	2,344	15.3	13.1-17.9
No PSA Test within the Past Two Years (40+)	771	18.2	15.1-21.7
PSA Test within the Past Two Years (40+)	1,032	11.8	9.7-14.2
No Digital Rectal Exam within the Past Two Years (40+)	812	15.5	12.9-18.6
Digital Rectal Exam within the Past Two Years (40+)	1,051	14.2	11.8-17.0
Prostate Cancer (40+)	*	*	*
No Prostate Cancer (40+)	1,782	15.3	13.4-17.4
No Blood Stool Test within the Past Two Years (50+)	2,746	7.5	6.3-8.9
Blood Stool Test within the Past Two Years (50+)	851	6.4	4.6-8.8
Never Had a Sigmoidoscopy or Colonoscopy (50+)	1,604	8.5	7.0-10.4
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	2,036	6.2	5.0-7.7
Diagnosed with Cancer in the Past 12 Months	150	8.1	3.6-17.0
Not Diagnosed with Cancer in the Past 12 Months	6,100	18.4	16.9-20.0
Heavy Drinker	197	86.7	80.3-91.2
Not a Heavy Drinker	6,224	14.9	13.5-16.4
No Health Insurance (18-64)	387	23.4	17.4-30.7
Health Insurance (18-64)	3,955	21.8	19.9-23.7
Employer Based Health Insurance Coverage (18-64)	2,660	21.6	19.5-23.9
Private Health Insurance Plan (18-64)	559	17.0	13.3-21.5
Medicare (18-64)	123	18.6	9.4-33.5
Medicaid or Medical Assistance (18-64)	166	30.1	19.5-43.4
The Military, CHAMPUS, TriCare, or the VA (18-64)	169	19.3	13.4-27.0
The Indian Health Service (18-64)	223	25.6	18.0-34.9
No Flu Shot (65+)	507	3.2	1.7-5.7
Flu Shot (65+)	1,407	2.3	1.5-3.4
No Pneumonia Shot (65+)	633	2.6	1.4-4.7
Pneumonia Shot (65+)	1,220	2.2	1.4-3.4
Haven't Been to the Dentist in the Past Year	2,069	20.6	17.9-23.6
Been to the Dentist in the Past Year	4,372	17.1	15.4-18.9
Not Taking any Precautions Against West Nile Virus	2,681	20.9	18.5-23.5
Taking Precautions Against West Nile Virus	3,568	16.1	14.4-18.1

Table 52 (continued)
Binge Drinking for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Binge Drinkers	95% CI
Sometimes/Seldom/Never Wear Seat Belt	1,128	30.7	26.7-35.0
Always/Almost Always Wear Seat Belt	5,258	15.4	13.9-17.0
Previously Had a Heart Attack	447	4.6	2.5-8.3
Never Had a Heart Attack	5,997	18.9	17.4-20.5
Have Angina or Coronary Heart Disease	381	5.6	3.1-9.8
Do Not have Angina or Coronary Heart Disease	6,031	18.8	17.3-20.4
Previously Had a Stroke	242	5.4	2.9-9.8
Never Had a Stroke	6,218	18.5	17.0-20.0
Fair or Poor Health Status	975	10.5	8.0-13.5
Excellent, Very Good, or Good Health Status	5,469	19.1	17.5-20.9
Physical Health Not Good for 30 Days of the Past 30	416	12.9	7.5-21.1
Physical Health Not Good for 0-29 Days of the Past 30	5,934	18.5	17.0-20.1
Mental Health Not Good for 20-30 Days of the Past 30	340	17.9	12.3-25.2
Mental Health Not Good for 0-19 Days of the Past 30	6,033	18.2	16.7-19.8
Usual Activities Unattainable for 10-30 Days of the Past 30	444	16.0	10.9-23.0
Usual Activities Unattainable for 0-9 Days of the Past 30	5,961	18.4	16.9-20.0
Dissatisfied / Very Dissatisfied with Life	226	16.4	10.8-24.1
Satisfied / Very Satisfied with Life	6,074	18.4	16.9-20.0
Physical, Mental, or Emotional Disability	1,494	12.7	10.2-15.8
No Physical, Mental, or Emotional Disability	4,952	19.5	17.8-21.3
Disability with Special Equipment Needed	522	6.1	3.8-9.7
No Disability with Special Equipment Needed	5,941	18.9	17.4-20.5
Injured in a Fall (45+)	231	10.1	6.1-16.5
Not Injured in a Fall (45+)	4,167	9.1	8.1-10.2
Never Been Tested for HIV (18-64)	3,460	21.5	19.5-23.7
Been Tested for HIV (18-64)	887	24.5	20.6-28.9
Military Veteran	966	16.1	13.1-19.7
Not a Military Veteran	5,495	18.5	16.9-20.2

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

HEAVY DRINKING

Definition: Male respondents who report having more than 2 drinks per day, or female respondents who report having more than 1 drink per day.

Prevalence of Heavy Drinking

- South Dakota 3.8%
- Nationwide median 4.9%

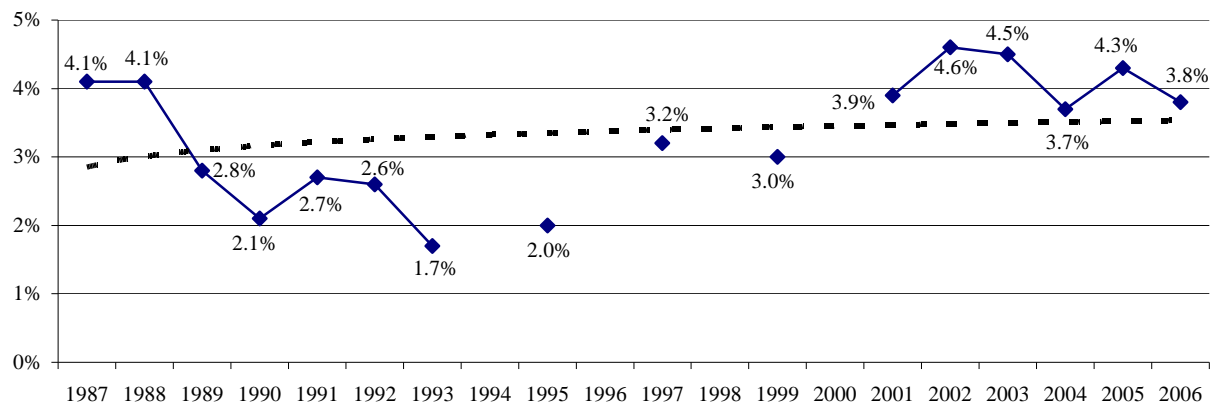
Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for heavy drinking.

Trend Analysis

Overall, since 1987 the percent of respondents who engaged in heavy drinking has been increasing. This includes a low of 1.7 percent in 1993 and a high of 4.6 percent in 2002. Recently however, the percent of respondents who engage in heavy drinking decreased from 4.3 percent in 2005 to 3.8 percent in 2006.

Figure 45
Percent of Respondents Who Engage in Heavy Drinking,
1987-1993, 1995, 1997, 1999, and 2001-2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1987-1993, 1995, 1997, 1999, and 2001-2006

Demographics

Gender Overall males exhibit a significantly higher prevalence of heavy drinking than females.

Age The prevalence of heavy drinking decreases as age increases.

Race There are no significant racial differences observed from the available data.

Region There are no significant regional differences observed from the available data.

Household Income The prevalence of heavy drinking does not seem to follow a pattern as household income increases.

Education The prevalence of heavy drinking generally decreases as education increases.

Employment Status Those who are employed for wages demonstrate a very high prevalence of heavy drinking, while those who are a homemaker or retired show a very low prevalence.

Marital Status Those who are divorced, separated, or have never been married exhibit a very high prevalence of heavy drinking, while those who are widowed show a very low prevalence.

Table 53									
Respondents Who Engage in Heavy Drinking, 2006									
	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,459	3.8	(3.2-4.6)	2,496	5.0	(4.0-6.2)	3,963	2.8	(2.0-3.7)
Age									
18-24	251	6.6	(3.9-10.8)	105	6.1	(3.0-11.9)	146	7.1	(3.4-14.4)
25-34	719	4.3	(2.8-6.7)	267	5.8	(3.1-10.5)	452	2.9	(1.7-4.8)
35-44	1,013	4.1	(2.8-5.9)	404	5.6	(3.4-8.9)	609	2.6	(1.6-4.3)
45-54	1,367	3.9	(2.9-5.1)	569	5.0	(3.4-7.2)	798	2.7	(1.7-4.3)
55-64	1,132	2.9	(1.9-4.2)	480	4.6	(2.9-7.1)	652	1.0	(0.5-2.2)
65-74	924	2.9	(1.8-4.5)	357	4.1	(2.2-7.3)	567	1.8	(0.9-3.7)
75+	993	0.8	(0.4-2.0)	296	1.7	(0.6-4.6)	697	0.3	(0.1-1.3)
Race									
White	5,766	3.6	(3.0-4.4)	2,241	5.1	(4.0-6.4)	3,525	2.3	(1.6-3.1)
American Indian	498	4.6	(2.6-8.2)	178	5.2	(2.3-11.5)	320	4.1	(1.8-9.0)
Region									
Southeast	1,443	4.2	(3.0-5.8)	563	5.3	(3.6-7.8)	880	3.1	(1.7-5.6)
Northeast	1,561	3.8	(2.7-5.4)	582	5.8	(3.8-8.7)	979	2.1	(1.0-4.2)
Central	1,330	2.9	(2.1-4.0)	513	3.2	(2.0-5.0)	817	2.7	(1.7-4.2)
West	1,478	3.7	(2.6-5.3)	579	4.6	(2.7-7.7)	899	2.8	(1.8-4.5)
American Indian Counties	647	3.8	(2.2-6.3)	259	4.0	(1.8-8.6)	388	3.5	(1.8-6.8)
Household Income									
Less than \$10,000	302	5.7	(2.7-11.4)	*	*	*	*	*	*
\$10,000-\$14,999	380	4.6	(1.9-10.9)	106	6.6	(1.8-21.3)	274	3.6	(1.0-11.9)
\$15,000-\$19,999	495	2.8	(1.5-5.1)	156	4.8	(2.3-9.8)	339	1.1	(0.3-3.4)
\$20,000-\$24,999	550	5.6	(2.7-11.2)	199	3.5	(1.2-9.5)	351	7.4	(3.0-17.4)
\$25,000-\$34,999	873	5.5	(3.5-8.6)	369	8.7	(5.1-14.5)	504	2.1	(1.0-4.4)
\$35,000-\$49,999	1,104	2.5	(1.5-4.0)	476	3.2	(1.7-6.1)	628	1.7	(0.9-3.3)
\$50,000-\$74,999	1,014	4.7	(3.3-6.7)	471	5.5	(3.5-8.6)	543	3.7	(2.1-6.5)
\$75,000+	897	2.9	(2.0-4.3)	445	3.7	(2.3-5.9)	452	1.8	(0.8-3.6)
Education									
8th Grade or Less	279	2.2	(0.7-7.3)	121	0.3	(0.0-1.8)	158	4.7	(1.3-15.6)
Some High School	326	4.7	(2.4-9.2)	124	9.0	(4.3-18.0)	202	0.9	(0.2-3.2)
High School or G.E.D.	2,079	4.5	(3.4-6.0)	829	6.6	(4.7-9.3)	1,250	2.4	(1.5-3.8)
Some Post-High School	1,774	3.8	(2.6-5.7)	626	3.6	(2.0-6.3)	1,148	4.0	(2.3-6.9)
College Graduate	1,988	3.2	(2.3-4.4)	787	4.3	(2.9-6.4)	1,201	2.1	(1.2-3.6)
Employment Status									
Employed for Wages	3,139	4.5	(3.6-5.7)	1,170	5.5	(4.1-7.5)	1,969	3.5	(2.4-4.9)
Self-employed	882	3.9	(2.6-5.8)	573	4.6	(2.9-7.2)	309	2.0	(0.8-5.2)
Unemployed	176	4.9	(2.3-10.1)	*	*	*	*	*	*
Homemaker	395	0.9	(0.2-3.2)	*	*	*	*	*	*
Retired	1,512	2.2	(1.5-3.3)	538	3.2	(1.9-5.4)	974	1.4	(0.8-2.7)
Unable to Work	262	2.2	(0.9-5.2)	*	*	*	*	*	*
Marital Status									
Married/Unmarried Couple	3,860	3.3	(2.6-4.1)	1,645	4.1	(3.1-5.5)	2,215	2.4	(1.6-3.5)
Divorced/Separated	846	6.6	(4.7-9.3)	322	7.2	(4.6-11.2)	524	6.1	(3.6-10.3)
Widowed	1,002	0.8	(0.3-1.7)	146	2.0	(0.6-6.5)	856	0.5	(0.2-1.4)
Never Married	731	6.2	(4.0-9.4)	376	7.3	(4.4-11.9)	355	4.4	(1.9-10.1)

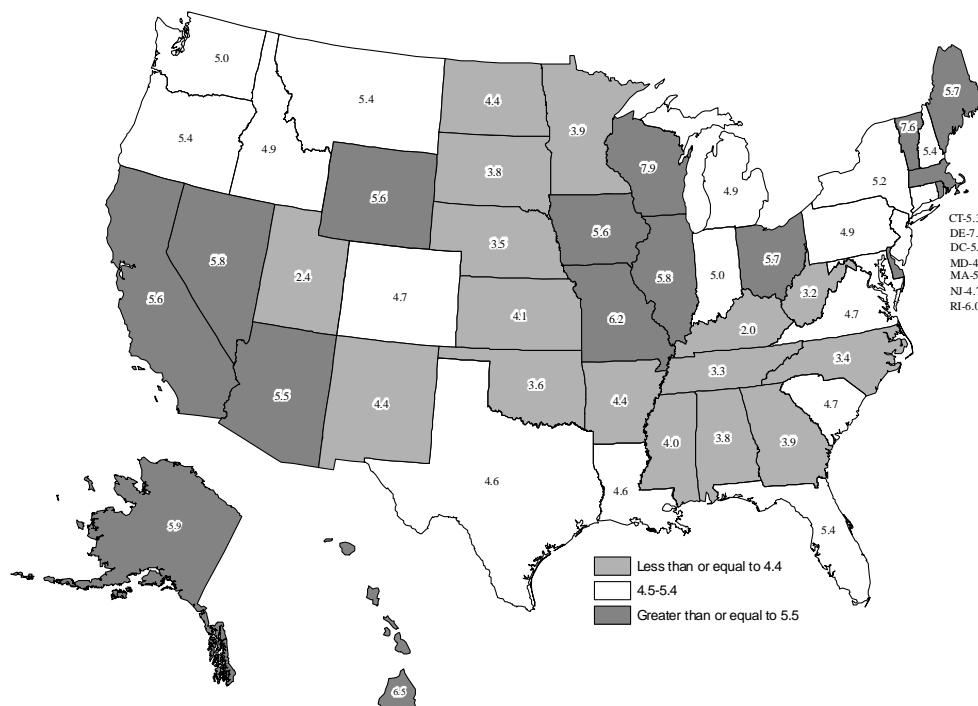
Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

National Statistics

The national median for respondents who engage in heavy drinking is 4.9 percent. South Dakota had 3.8 percent of respondents who engage in heavy drinking. Kentucky had the lowest percent of respondents who engage in heavy drinking with 2.0 percent, while Wisconsin had the highest percent of respondents who engage in heavy drinking with 7.9 percent.

Figure 46
Nationally, Respondents Who Engage in Heavy Drinking, 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

Further Analysis

Following are data illustrating the percent of those who engage in heavy drinking for various health behaviors and conditions. For example, 8.5 percent of respondents who stated they sometimes, seldom, or never wear a seat belt are heavy drinkers, while 2.7 percent of respondents who stated they always or almost always wear a seat belt are heavy drinkers.

Table 54			
Heavy Drinking for Selected Health Behaviors and Conditions, 2006			
Health Behavior or Condition	# Respondents	% Heavy Drinkers	95% CI
Obese (BMI = 30.0+)	1,655	4.2	3.0-5.8
Overweight (BMI = 25.0-29.9)	2,349	4.2	3.2-5.6
Recommended Weight (BMI = 18.5-24.9)	2,038	2.9	2.0-4.1
No Leisure Time Physical Activity	1,682	3.7	2.5-5.3
Leisure Time Physical Activity	4,772	3.8	3.1-4.7
Not Heard of "Healthy South Dakota" Program	3,799	4.1	3.2-5.2
Heard of "Healthy South Dakota" Program	2,368	3.4	2.5-4.5
Current Smoker	1,195	9.7	7.3-12.7
Former Smoker	1,785	3.5	2.6-4.9
Never Smoked	3,466	1.9	1.4-2.6
Smokeless Tobacco Use	288	9.5	6.2-14.3
No Smokeless Tobacco Use	5,991	3.5	2.8-4.3

Table 54 (continued)
Heavy Drinking for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Heavy Drinkers	95% CI
Diabetes	591	0.5	0.1-1.5
No Diabetes	5,866	4.1	3.4-4.9
Current Asthma	475	3.9	2.1-7.0
Former Asthma	165	2.3	0.7-7.4
Never Had Asthma	5,787	3.9	3.2-4.7
No Mammogram within Past Two Years (40+)	761	2.9	1.8-4.5
Mammogram within Past Two Years (40+)	2,223	1.4	0.9-2.0
No Clinical Breast Exam within Past Two Years	854	3.3	2.0-5.5
Clinical Breast Exam within Past Two Years	3,023	2.6	1.8-3.8
No Pap Smear within the Past Three Years	501	2.7	1.5-5.0
Pap Smear within the Past Three Years	2,336	3.2	2.2-4.7
No PSA Test within the Past Two Years (40+)	773	3.8	2.6-5.5
PSA Test within the Past Two Years (40+)	1,033	3.9	2.8-5.5
No Digital Rectal Exam within the Past Two Years (40+)	816	3.8	2.7-5.5
Digital Rectal Exam within the Past Two Years (40+)	1,050	3.7	2.6-5.2
Prostate Cancer (40+)	*	*	*
No Prostate Cancer (40+)	1,785	4.0	3.1-5.1
No Blood Stool Test within the Past Two Years (50+)	2,746	2.7	2.1-3.5
Blood Stool Test within the Past Two Years (50+)	850	1.8	1.0-3.1
Never Had a Sigmoidoscopy or Colonoscopy (50+)	1,600	2.6	1.8-3.6
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	2,039	2.4	1.8-3.4
Diagnosed with Cancer in the Past 12 Months	150	2.8	0.9-8.4
Not Diagnosed with Cancer in the Past 12 Months	6,089	3.9	3.2-4.7
Binge Drinker	839	18.3	15.0-22.0
Not a Binge Drinker	5,582	0.6	0.4-0.9
No Health Insurance (18-64)	392	6.4	3.6-11.2
Health Insurance (18-64)	3,944	4.1	3.3-5.0
Employer Based Health Insurance Coverage (18-64)	2,657	4.1	3.2-5.3
Private Health Insurance Plan (18-64)	559	3.0	1.8-5.1
Medicare (18-64)	123	2.4	0.7-7.9
Medicaid or Medical Assistance (18-64)	164	6.7	2.3-17.9
The Military, CHAMPUS, TriCare, or the VA (18-64)	168	4.8	2.3-9.5
The Indian Health Service (18-64)	218	4.7	2.0-10.8
No Flu Shot (65+)	502	1.5	0.7-3.2
Flu Shot (65+)	1,409	1.9	1.2-3.0
No Pneumonia Shot (65+)	629	1.3	0.6-3.0
Pneumonia Shot (65+)	1,221	2.0	1.2-3.2
Haven't Been to the Dentist in the Past Year	2,071	5.8	4.4-7.6
Been to the Dentist in the Past Year	4,364	3.0	2.4-3.8
Not Taking any Precautions Against West Nile Virus	2,680	4.7	3.6-6.2
Taking Precautions Against West Nile Virus	3,558	3.2	2.5-4.1
Sometimes/Seldom/Never Wear Seat Belt	1,124	8.5	6.4-11.2
Always/Almost Always Wear Seat Belt	5,250	2.7	2.2-3.4
Previously Had a Heart Attack	449	2.1	1.0-4.5
Never Had a Heart Attack	5,988	3.9	3.3-4.7
Have Angina or Coronary Heart Disease	381	3.0	1.5-6.0
Do Not have Angina or Coronary Heart Disease	6,024	3.9	3.2-4.7
Previously Had a Stroke	242	0.9	0.2-5.3
Never Had a Stroke	6,211	3.9	3.3-4.7
Fair or Poor Health Status	975	2.9	1.9-4.6
Excellent, Very Good, or Good Health Status	5,462	4.0	3.2-4.8

Table 54 (continued)
Heavy Drinking for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Heavy Drinkers	95% CI
Physical Health Not Good for 30 Days of the Past 30	415	2.4	1.1-5.5
Physical Health Not Good for 0-29 Days of the Past 30	5,928	3.9	3.2-4.7
Mental Health Not Good for 20-30 Days of the Past 30	339	4.5	2.7-7.4
Mental Health Not Good for 0-19 Days of the Past 30	6,028	3.8	3.1-4.5
Usual Activities Unattainable for 10-30 Days of the Past 30	440	4.8	2.9-7.7
Usual Activities Unattainable for 0-9 Days of the Past 30	5,959	3.8	3.1-4.6
Dissatisfied / Very Dissatisfied with Life	226	5.8	2.8-11.4
Satisfied / Very Satisfied with Life	6,061	3.8	3.1-4.6
Physical, Mental, or Emotional Disability	1,492	3.4	2.3-5.1
No Physical, Mental, or Emotional Disability	4,948	4.0	3.2-4.8
Disability with Special Equipment Needed	520	2.2	1.1-4.2
No Disability with Special Equipment Needed	5,936	3.9	3.3-4.7
Injured in a Fall (45+)	228	1.7	0.6-5.3
Not Injured in a Fall (45+)	4,168	2.9	2.4-3.6
Never Been Tested for HIV (18-64)	3,460	4.1	3.2-5.1
Been Tested for HIV (18-64)	880	5.4	3.6-8.3
Military Veteran	968	4.9	3.5-6.7
Not a Military Veteran	5,486	3.7	3.0-4.5

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006